

ONT 67426

OFFICE P25X1

FILE

~~CABLE SEC.~~

PP&B/RD	25X1
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SECURITY

1506	1750
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PSG/OC	
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RED

REPRO	
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AID

IEG	
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PROD

SOIL	
WATER	

WEST	
EAST	

LAST
MRS

PCN

SLIT 0.100 FILTER WRATTEN 23A

SLIT 0.080 FILTER WRATTEN 21

ADVANCE CT

SANITIZED
PLAIN TEXT

HE

A. ANOMALY: THE FORWARD LOOKING MATERIAL DISPLAYS A SOFT

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CAUSE: THE CHANGE IN FOCUS ACROSS THE FORMAT IS SUBTLE AND NOT DEFINED BY SPECIFIC BOUNDARIES. THIS CONDITION IS CONFINED TO THE DATA BLOCK SIDE AND SHOWS VARIATIONS IN IMAGE

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QUALITY PROBABLY CAUSED BY CHANGES IN FILM LIFE. THE PET DOES NOT FEEL THAT THIS CONDITION IS THE RESULT OF OR IS AGGRAVATED BY EMULSION BUILD-UP CHARACTERISTICS FORMERLY ATTRIBUTED TO SO-230. THE CLEANLINESS OF THIS MISSION IN RESPECT TO EMULSION PARTICLE BUILD-UP ON THE FILM SUPPORT RAILS WAS SATISFACTORY; IN THIS RESPECT IT WAS JUDGED TO BE EQUAL TO AN AVERAGE J-1 MISSION WITH 3404 FILM.

ACTION: NO CAUSE FOR THIS ANOMALY HAS BEEN DETERMINED. THE DEGREE OF DEFOCUSING IS NOT CONSIDERED SERIOUS ENOUGH TO WARRANT MAJOR EXPENDITURE OF ADDITIONAL EFFORT AT THIS LATE TIME IN THE J-1 PROGRAM.

B. ANOMALY: PIECES OF EMULSION WERE BONDED TO THE STELLAR RESEAU PLATE ON FRAMES 133 AND 334. BOTH PIECES WERE IMAGED ON THE REMAINING STELLAR FRAMES.

CAUSE: AN UNSTABLE VEHICLE YAW CONDITION AFTER REV 22;

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WHICH ALSO CAUSED ROLL AND PITCH ERRORS, RESULTED IN THE DIRECT OBSERVATION OF THE SUN BY THE STELLAR LENS.

ACTION: NO ACTION REQUIRED.

C. ANOMALY: MINOR VIGNETTING WAS PRESENT IN ONE CORNER OF EACH HORIZON FORMAT THROUGHOUT BOTH MISSION SEGMENTS.

CAUSE: MINOR VIGNETTING HAS BEEN CHARACTERISTIC OF THE J-1 SERIES. VIGNETTING APPEARS TO BE MORE NOTICEABLE IN MISSION 1050 PHOTOGRAPHY DUE TO THE INHERENT SO-230 FILM SPEED.

ACTION: BECAUSE VIGNETTING DOES NOT INTERFERE WITH HORIZON LINE IMAGERY NO ACTION IS RECOMMENDED.

D. ANOMALY: MINUS DENSITY BANDS LOCATED PERPENDICULAR TO THE MAJOR AXIS AND VARYING IN WIDTH, ARE PRESENT INTERMITTENTLY THROUGHOUT BOTH MISSIONS.

CAUSE: SIMILAR BANDS HAVE BEEN OBSERVED ON 1049 AND 1046 MATERIAL AS WELL AS FILM FROM MOST GROUND TESTS USING SO-230. THIS PHENOMENON, NOT FULLY UNDERSTOOD, IS CHARACTERISTIC OF THE FILM DURING EXTENDED INOPERATIVE PERIODS. THE BANDS, ARE IMAGES OF THE SYSTEM FILM PATH COMPONENTS, FORMED AS A FUNCTION OF ENVIRONMENT AND ARE NOT THE RESULT OF A LIGHT LEAK.

ACTION: BECAUSE OF THE MINOR NATURE OF THIS ANOMALY NO

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ACTION IS RECOMMENDED.

5. CHARACTERISTIC ANOMALIES: THESE ARE PREDICTABLE, RECURRING ANOMALIES WHICH ARE CONSIDERED INHERENT IN THE CORONA J-1 SYSTEMS. A SUMMARY OF THESE ANOMALIES IS PRESENTED BELOW:

A. FOG PATTERNS ON THE FIRST, FIFTH FROM LAST, NEXT TO

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LAST AND LAST FRAME OF BOTH MISSIONS. THE FOG IS CAUSED BY MINOR LIGHT LEAKS; CONTINUING EFFORT IS MADE TO MINIMIZE THIS ANOMALY.

B. DENDRITIC STATIC IS PRESENT ALONG BOTH EDGES AND WITHIN THE FORMAT OF BOTH CAMERAS OF BOTH MISSIONS.

C. MINOR BANDING IS PRESENT AT THE TAKE-UP END OF SOME FRAMES IN BOTH MISSIONS.

D. THE TIME TRACK IS MISSING AT THE BEGINNING OF SCAN OF THE FIRST FRAME OF SOME PASSES IN BOTH MISSIONS. THIS IS AN OPERATING CHARACTERISTIC OF THE SYSTEM, CAUSED BY TIME REQUIRED FOR LAMP IONIZATION.

E. EMULSION BUILD-UP ON THE INBOARD FILM GUIDE RAIL CAUSED A RAGGED FORMAT EDGE AND ALMOST TOTALLY OBSCURES THE SHRINKAGE MARKS ON THE TAKE-UP END.

F. MINUS DENSITY STREAK PARALLEL TO THE MAJOR AXIS OF THE

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FILM AND MINUS DENSITY SPOTS ON THE STELLAR FORMATS WERE PRESENT
INTERMITTENTLY THROUGHOUT BOTH MISSIONS.
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END OF MESSAGE